

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claim 1 (Currently Amended) A method for occluding the vasculature of a patient, comprising the steps of:

providing a plurality of embolic coils having a proximal portion and a distal portion, the proximal portion being relatively smooth and the distal portion having a relatively textured surface;

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introducing said plurality of embolic coils into the patient's vasculature, using an introducer that is coupled to the proximal portion, whereby the textured surface provides improved platelet adhesion compared to a non-textured surface, to promote clotting.

Claim 2 (Original) A method as defined in claim 1, including the step of texturing the surface of an embolic coil by abrasion.

Claim 3 (Original) A method as defined in claim 1, including the step of texturing the surface of an embolic coil by sandblasting.

Claim 4 (Original) A method as defined in claim 1, in which said embolic coil comprises a platinum-tungsten alloy wire.

Claim 5 (Canceled)

Claim 6 (Original) A method as defined in claim 1, in which said embolic coil has substantially uniform roughness comprises pockets having diameters between about 0.125 microns and about 50 microns.

Claim 7 (Original) A method as defined in claim 6, in which said pockets have depths of between about 0.25 microns and about 20 microns.

Claim 8 (Original) A method as defined in claim 1, in which the embolic coils are used to embolize a vessel for vessel sacrifice.

Claim 9 (Original) A method as defined in claim 1, in which the embolic coils are used to reduce or block blood flow to an arterial-venous malformation or to a fistula.

Claim 10 (Original) A method as defined in claim 1, in which the embolic coils are used to block blood flow to tumor.

Claim 11 (Currently Amended) A method for treating an aneurysm of a patient, comprising the steps of:

providing a plurality of embolic coils having a proximal portion and a distal portion, the proximal portion being relatively smooth and the distal portion having a relatively textured surface;

introducing said plurality of embolic coils into the patient's aneurysm, using an introducer that is coupled to the proximal portion, whereby the textured surface provides improved platelet adhesion compared to a non-textured surface, to promote clotting.

Claim 12 (Original) A method as defined in claim 11, including the step of texturing the surface of an embolic coil by abrasion.

Claim 13 (Original) A method as defined in claim 11, including the step of texturing the surface of an embolic coil by sandblasting.

Claim 14 (Original) A method as defined in claim 11, in which said embolic coil comprises a platinum-tungsten alloy wire.

Claim 15 (Canceled)

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Claim 16 (Original) A method as defined in claim 11, in which said embolic coil has substantially uniform roughness comprises pockets having diameters between about 0.125 microns and about 50 microns.

Claim 17 (Original) A method as defined in claim 11, in which said pockets have depths of between about 0.25 microns and about 20 microns.

Claim 18 (Canceled)

Claim 19 (Canceled)

Claim 20 (Currently Amended) A embolic coil formed of a platinum alloy wire and having a proximal portion and a distal portion, the proximal portion being relatively smooth and the distal portion having a relatively textured surface which, when said embolic coil is implanted in a patient's vasculature, provides improved platelet adhesion compared to a non-textured surface, to promote clotting.

Claim 21 (Canceled)

Claim 22 (Canceled)

Claim 23 (Canceled)

Claim 24 (Canceled)

Claim 25 (Canceled)

Claim 26 (Previously Presented) An embolic coil formed of a platinum alloy wire and having a textured surface which, when said embolic coil is implanted in a patient's vasculature, provides improved platelet adhesions compared to a non-textured surface, to promote clotting;

said embolic coil including a proximal portion and a distal portion;

(b) said proximal portion being relatively smooth and said textured surface being on
said distal portion;

said textured portion having substantially uniform roughness comprising pockets
having diameters between about 0.125 microns and about fifty microns and depths
between about 0.25 microns and twenty microns.